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... of Entangled **Photon** Pairs Over 13 km: Towards Satellite-Based Global **Quantum Communication**

CZ Peng, T Yang, XH Bao, J Zhang, XM Jin, FY Feng, ... - Physical Review Letters, 2005 - APS

... one can easily increase the **average** key distribution ... the link efficiency of entangled **photon** pairs achieved ... satellite-based free-space **quantum communication** [14 ...

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Generation of Nonclassical **Photon** Pairs for Scalable **Quantum Communication** with Atomic Ensembles - [arxiv.org](#) [PDF]

A Kuzmich, WP Bowen, AD Boozer, A Boca, CW Chou, ... - Arxiv preprint quant-ph/0305162, 2003 - arxiv.org

Page 1. arXiv:quant-ph/0305162 v1 27 May 2003 Generation of Nonclassical **Photon**

Pairs for Scalable **Quantum Communication** with Atomic Ensembles ...

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A Quantum Dot Single-**Photon** Turnstile Device

P Michler, A Kiraz, C Becher, WV Schoenfeld, PM ... - Science, 2000 - sciencemag.org

... **Quantum communication** relies on the availability of light pulses ... the reciprocal of the **average** counting rate is ... measured time separation between **photon** pairs (6 ...

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Deterministic Single-**Photon** Source for Distributed Quantum Networking - [arxiv.org](#) [PDF]

A Kuhn, M Hennrich, G Rempe - Physical Review Letters, 2002 - APS

... and therefore intrinsically reversible, which is essential for **quantum communication** and networking ... For $z \rightarrow 0$, the **average photon**-emission probability of 17% is ...

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Long-distance **quantum communication** with atomic ensembles and linear optics - [arxiv.org](#) [PDF]

LM Duan, MD Lukin, JI Cirac, P Zoller - Nature, 2001 - nature.com

... length, we want to extend the **quantum communication** distance. ... and then detected by the single-**photon** detectors D ... connection needs to be repeated on **average** $1/p$...

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Quantum Repeaters: The Role of Imperfect Local Operations in **Quantum Communication** - [arxiv.org](#) [PDF]

HJ Briegel, W Dür, JI Cirac, P Zoller - Physical Review Letters, 1998 - APS

... with I; (ii) even when a **photon** arrives, the ... Guided by these ideas, for **quantum communication**, we divide ... This last condition determines the (**average**) number of ...

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Circuit Quantum Electrodynamics: Coherent Coupling of a Single **Photon** to a Cooper Pair Box - [arxiv.org](#) [PDF]

A Wallraff, DI Schuster, A Blais, L Frunzio, RS ... - Arxiv preprint cond-mat/0407325, 2004 - arxiv.org

... in a circuit can be exploited for quantum information processing and **quantum communication**. ... magnetic field and a $\dagger a = n = n$ is the **average photon** number. ...

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Experimental Demonstration of Five-**photon** Entanglement and Open-destination Teleportation - [arxiv.org](#) [PDF]

Z Zhao, YA Chen, AN Zhang, T Yang, H Briegel, JW ... - Arxiv preprint quant-ph/0402096, 2004 - arxiv.org

... challenge in multi-party **quantum communication** and computation is the so-called ... In the experiment, the intensity of single **photon** source, ie the **average** ...

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Measurement of Conditional Phase Shifts for Quantum Logic - [arxiv.org](#) [PDF]

QA Turchette, CJ Hood, W Lange, H Mabuchi, HJ ... - Physical Review Letters, 1995 - APS

... For these scans the **average** intracavity atom number ... phase shift A 160 per **photon**
would generate ... alternate measures utilized in **quantum communication** theory [CH ...

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Optical communication with two-**photon** coherent states--Part III: Quantum measurements realizable ...

H Yuen, J Shapiro - Information Theory, IEEE Transactions on, 1980 - ieeexplore.ieee.org

... theorem which shows that photoemissive detecth reahes the **photon** flux density
measurement. I. INTRODUCTION T HE WORK to date in **quantum communication** the- ory ...

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